

Content of Bulletin 116, January 2015 by Volkert Hoogeland

<i>Call for payment of the annual fee.</i>	Treasurer	4
The fee is differentiated in two possibilities and there are no added fees for postage and entry. € 24 with a bulletin sent by e-mail in PDF format. € 33 with a paper version of the bulletin sent by post.		
<i>Messages from the committee.</i>		5
The next meetings of our sundial association will take place in the Museum Boerhaave in Leiden. The reasons of this change are explained and we foresee more cooperation with this museum. The programme for the meeting the 21 th of March is announced. The newly elected committee has split up the functions and the fields of interest as follows: Chairman: Rien Spruijt Secretary: Frans Maes Treasurer: Han Hoogenraad Bulletin Editor: Volkert Hoogeland Webmaster : Astrid van der Werff Members: Hendrik Hollander, Hans de Rijk		
<i>The solar eclipse on the 20th of March this year.</i>	Editor	7
<i>Cadran Info 29, summary.</i>	A. van der Hoeven	8
A short description of most of the papers in this French magazine.		
<i>A sundial as part of a fence (a paper of Cadran Info) explained.</i>	Editor	10
<i>The farmers ring found during an excavation in Woerden.</i>	P. de Boer	11
This sundial ring is nowadays sold as a replica. But some research of the global context, the material and the inscriptions learned more about the age of this ring. It appeared that the ring is from the 17 th century		
<i>The sextant.</i>	J.P.C. Hoogenraad	16
A sextant made of cardboard as a do it yourself package explained by the author. With this instrument the altitude of the sun is measured pretty accurately. You can download an excel sheet from our website. This gives information and calculations for easy converting from sun height to time.		
<i>The Zimmer Tower and Zimmer Pavilion in Lier, Belgium.</i>	L. Bolsman	20
The clockmaker Louis Zimmer made a few interesting clocks. This article gives a brief overview of what can be found in the Zimmer Tower and Pavilion. These clocks showed time on all continents, phases of the moon, times of tides and many other celestial phenomena.		
<i>A huge armillary sphere has been saved in Gouda.</i>	F. Maes	24
This sundial was removed because the traffic situation had to be changed. The roundabout had to make place for a split level crossing. The sundial was retrieved from a scrapyard and restoration took place. The sundial has been rebuilt in a park where it tells daylight saving time on the main dial.		
<i>A rescue of a sundial that succeeded.</i>	J.M. Schouten	27
This paper was published earlier in a painters trade magazine and describes the technical details of the restoration of the armillary sphere of Gouda.		

Readers and members are challenged to solve this puzzle and to respond with the correct answer and a good explanation.

The shape of the Analemma

J.P.C. Hoogenraad

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Is the Analemma a Lissajous curve or not? Some people claim that it really is a Lissajous Curve.

In this substantiated explanation the conclusion is that the Analemma is definitely not a Lissajous Curve.

Minutes of the annual meeting the 24th of January 2015

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Financial annual report 2014 and budget plan 2015

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The Committee is presently reconsidering inclusion of the membership list with full personal details in the (digital version of) the Bulletin, due to matters of privacy and security.

E.g. the internet and e-mail seems not to be safe.

After we come to conclusions about what and how we are going to inform you about our participants, you will receive the information.